

CARGILL
SALT DIVISION

Box 696
Watkins Glen, NY 14891

May 2, 1996

Dermott Courtney
US EPA - UIC Section - Region II
290 Broadway - 24th Floor
New York, NY 10007-1866

USEPA, REG. II
36 MAY -6 AM 11:20
DGP BRANCH

Dear Mr. Courtney:

Attached please find the results of Mechanical Integrity Tests performed by Larry Sevenker on Cargill, Incorporated's wells 22, 23 and 24 located in the Village Park.

These wells passed M.I.T. tests at slightly differing pressures, however, all demonstrated mechanical integrity at or above 700 psi at the well head. These tests were performed by Larry Sevenker and IPSCO Drilling on April 24, 1996 using Universal to cement the casings.

Should you have any questions, please contact me at (607) 535-6303.

Sincerely,

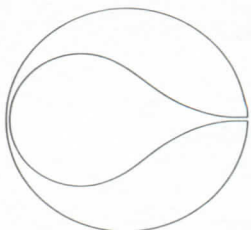
CARGILL, INCORPORATED

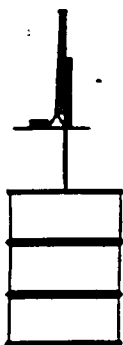


Joe N. Pinkham
Plant Manager

/jm

cc: R. Nemecek
L. Sevenker





LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.
KENNER, LA. 70065

(504) 468-1909

April 4, 1996

Mr. Joe Pinkham
Cargill, Inc.
518 East Fourth Street
Watkins Glen, NY 14891

RE: Mechanical Integrity Test Well 22

Dear Joe:

The new well 22 at Watkins Glen located in the Village Park has a mechanical integrity test which has passed the EPA requirements. The drilling and cementing of well 22 was completed on March 18, 1996 by IPSCO using Universal to cement the casings. Well 22 has 16" casing set at 158', 10-3/4" casing set at 943' and a 7" casing set at 2593' with all the casings being cemented from setting depth to the surface. Good cement returns were observed on all the casing strings. Well 22 was drilled to a total depth of 2687'.

After the cement cured the Mechanical Integrity Test was conducted on the 7" casing before the cement shoe was drilled out. The well was pressured up to 743 psi for the test. At the end of the one hour test period the pressure had dropped to 738 psi.

The following is well information and the recordings of the test:

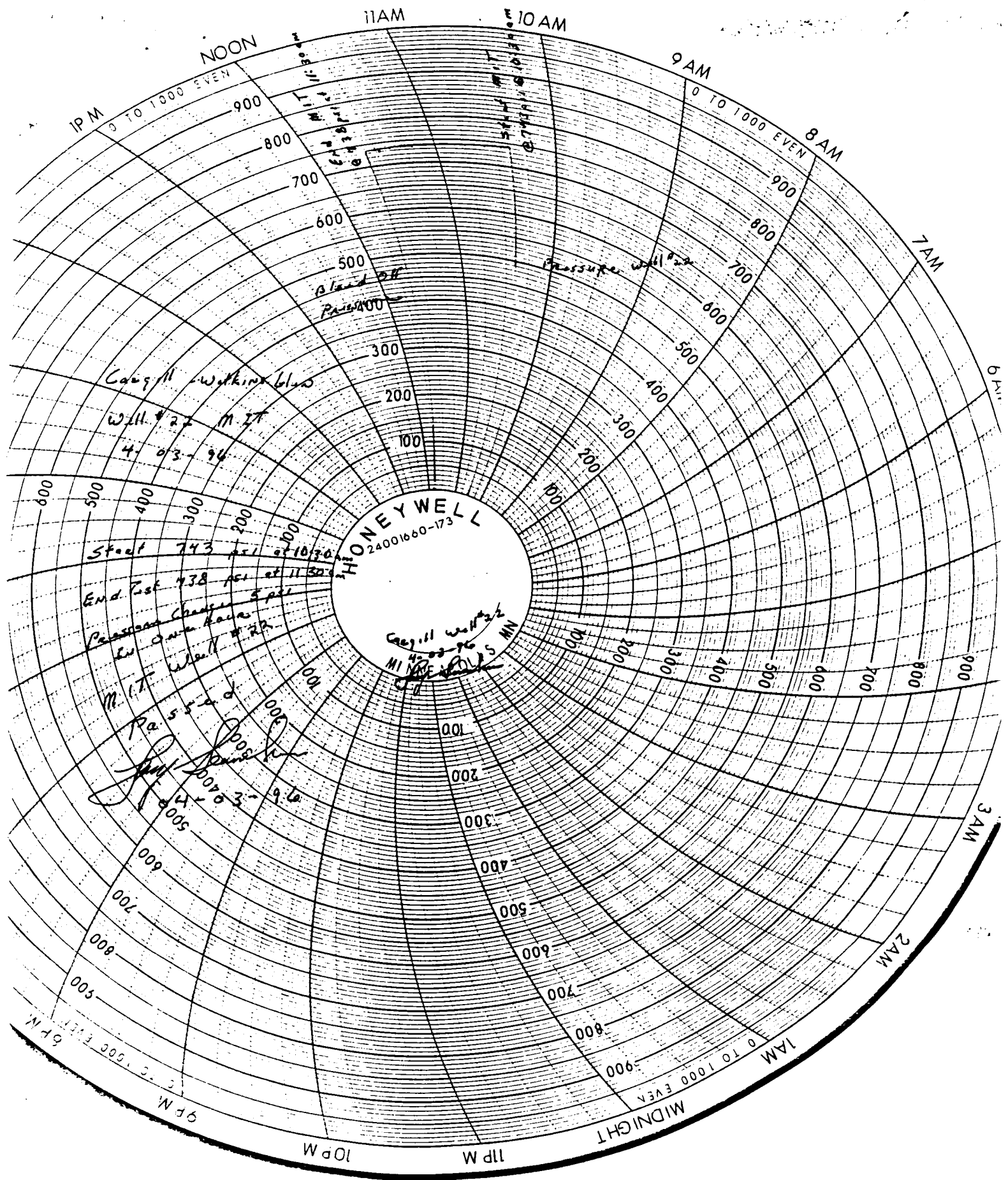
Cargill Well 22	API # 31-097-21630
16" 75#	158' 400 sx Class A cement
10-3/4" 40.0#	943' 650 sx 50/50 Pozmix cement
7" 23.0#	2593' 525 sx 50/50 Pozmix cement
Total Depth	2687'
MIT date	March 03, 1996
Start Test	743 psi 10:30 am
2nd Reading	741 psi 10:45 am
3rd Reading	740 psi 11:00 am
4th Reading	739 psi 11:15 am
End Reading	738 psi 11:30 am
Pressure Change	5 psi in 1 hour
5% Limit	37 psi in 1 hour

Results: Well 22 passed the MIT with a 0.67% drop or 5 psi in 1 hour per EPA requirements on the 7" casing test.

If you have any comments or questions, please contact me.

Sincerely,

Larry Sevenker
Consulting Engineer



LARRY SEVENKER

Consulting Engineer

**4148 LOIRE DR.
KENNER, LA. 70065**

(504) 468-1909

April 10, 1996

Mr. Joe Pinkham
Cargill, Inc.
518 East Fourth Street
Watkins Glen, NY 14891

RE: Mechanical Integrity Test Well 23

Dear Joe:

The new well 23 at Watkins Glen located in the Village Park has a mechanical integrity test which has passed the EPA requirements. The drilling and cementing of well 23 was completed on April 9, 1996 by IPSCO using Universal to cement the casings. Well 23 has 16" casing set at 156', 10-3/4" casing set at 965' and a 7" casing set at 2612' with all the casings being cemented from setting depth to the surface. Good cement returns were observed on the 16" and 10-3/4" casing strings. The 7" casing had good circulation but cement did not return to the surface. Cement squeezes from the surface left the cement topped off at the surface and pressure tight. Well 23 was drilled to a total depth of 2650'. After the cement cured the Mechanical Integrity Test was conducted on the 7" casing before the cement shoe was drilled out. The well was pressured up to 741 psi for the test. At the end of the 1 hour test period the pressure had dropped to 732 psi.

The following is well information and the recordings of the test:

Cargill Well 23	API # 31-097-21631
16" 75#	156' 200 sx Class A cement
10-3/4" 40.0#	965' 650 sx 50/50 Pozmix cement
7" 23.0#	2612' 525 sx 50/50 Pozmix cement
Total Depth	2650'
MIT date April 09, 1996	
Start Test	741 psi 5:45 pm
2nd Reading	738 psi 6:00 pm
3rd Reading	736 psi 6:15 pm
4th Reading	734 psi 6:30 pm
End Reading	732 psi 6:45 pm
Pressure Change	9 psi in 1 hour
5% Limit	37 psi in 1 hour

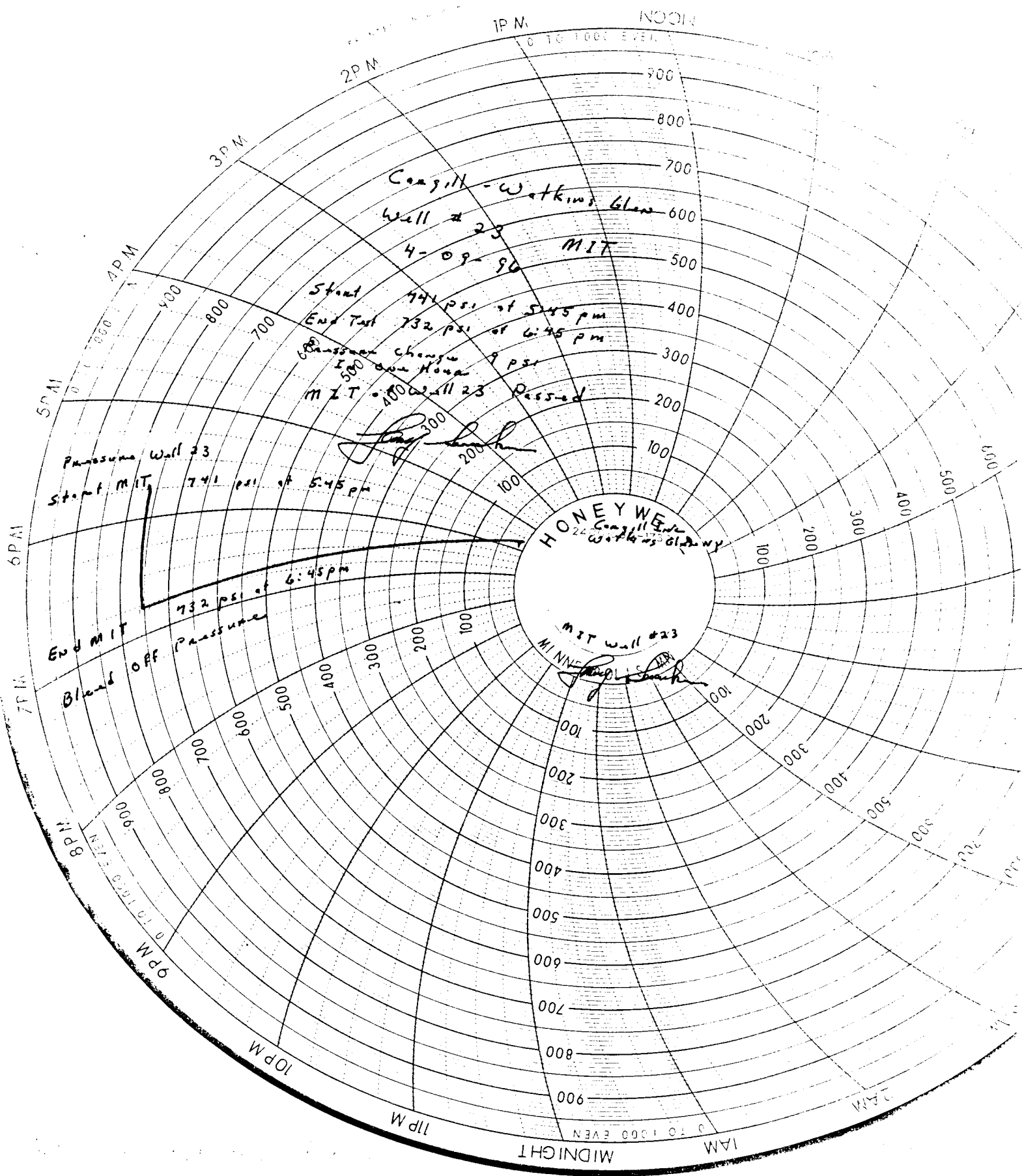
Results: Well 23 passed the MIT with a 1.21% drop or 9 psi in 1 hour per EPA requirements on the 7" casing test.

If you have any comments or questions, please contact me.

Sincerely,



Larry Sevenker
Consulting Engineer



LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.
KENNER, LA. 70065

(504) 468-1909

April 28, 1996

Mr. Joe Pinkham
Cargill, Inc.
518 East Fourth Street
Watkins Glen, NY 14891

RE: Mechanical Integrity Test Well 24

Dear Joe:

The new well 24 at Watkins Glen located in the Village Park has a mechanical integrity test which has passed the EPA requirements. The drilling and cementing of well 24 was completed on April 26, 1996 by IPSCO using Universal to cement the casings. Well 24 has 16" casing set at 175', 10-3/4" casing set at 812' and a 7" casing set at 2580' with all the casings being cemented from setting depth to the surface. Good cement returns were observed on the 16" and 10-3/4" casing strings. The 7" casing had to be cemented from the casing shoe and from the surface, due to fluid entering near the top of salt and had to be squeezed so no return to the surface could be observed. The cement squeeze from the surface sealed off the fluid entry and cavity pressure tight. Well 24 was drilled to a total depth of 2623'. After the cement cured the Mechanical Integrity Test was conducted on the 7" casing before the cement shoe was drilled out. The well was pressured up to 765 psi for the test. At the end of the 2 hour test period the pressure had dropped to 712 psi.

The following is well information and the recordings of the test:

Cargill Well 24	API # 31-097-21632
16" 75#	175' 225 sx Class A cement
10-3/4" 40.0#	812' 530 sx 50/50 Pozmix cement
7" 23.0#	2580' 200 sx Thixotropic on bottom & 470 sx Class A cement on top
Total Depth	2623'

Cargill Well 24 MIT continued

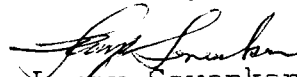
MIT date April 28, 1996

Start Test	765 psi	9:15 am
2nd Reading	750 psi	9:30 am
3rd Reading	738 psi	9:45 am
4th Reading	729 psi	10:00 am
5th Reading	724 psi	10:15 am
6th Reading	722 psi	10:30 am
7th Reading	718 psi	10:45 am
8th Reading	715 psi	11:00 am
End Reading	712 psi	11:15 am
Pressure Change	53 psi	in 2 hour
5% Limit	76 psi	in 2 hour

Results: Well 24 passed the MIT with a 3.46% drop or 26.5 psi per hour per EPA requirements on the 7" casing test.

If you have any comments or questions, please contact me.

Sincerely,


Larry Sevenker
Consulting Engineer

